

To: Kain, Nancy (AKA Oien)[KAIN.Nancy@epa.gov]
From: Priselac, Adrienne
Sent: Tue 11/29/2016 11:43:26 PM
Subject: RE: California's Highest EBLI Cities

Thanks Nancy, I didn't see the attachment?

From: Kain, Nancy (AKA Oien)
Sent: Monday, November 21, 2016 8:31 AM
To: Hale, William (CDPH-DEODC-CLPPB) <William.Hale@cdph.ca.gov>
Cc: Priselac, Adrienne <Priselac.Adrienne@epa.gov>; Aguilar, Marcus <Aguilar.Marcus@epa.gov>
Subject: RE: California's Highest EBLI Cities

Will, this is amazing and so helpful! Thank you so much.

From: Hale, William (CDPH-DEODC-CLPPB) [<mailto:William.Hale@cdph.ca.gov>]
Sent: Friday, November 18, 2016 12:47 PM
To: Kain, Nancy (AKA Oien) <KAIN.Nancy@epa.gov>
Cc: valerie.charlton@cdph.ca.gov
Subject: RE: California's Highest EBLI Cities

Hi Nancy,

We have some documents about blood lead levels and geographic areas.

●■■■■■■■■ The first attachment is related to one that I sent to you previously. Previously we sent only the top 21 ZIP codes, but the attached includes more ZIP codes for the time period 2009-2011. In this document definition of elevated blood lead level (EBLI) was a value at or above 9.5 mcg/dL (micrograms per deciliter) of whole blood and for children tested under age 21 years. ZIP codes that are not listed did not have any children with EBLLs in 2009-2011. Other stipulations include:

- Data was from RASSCLE surveillance database archive of 6/12/2012.
- Results are for individual children, not total tests.
- Each individual is counted only once during the 3-year period.

- o If an individual moved between two jurisdictions, then the child's residence at the time of their first blood lead level is the one counted.
- o Results later determined to be false positives or errors have been excluded.
- o Counts are not rates. Zip codes vary in population size and the number of children tested.
- o Data should be considered as preliminary and subject to revision.
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ The first tab of the second attachment provides a table of ZIP codes with the highest percentage (%) of children under age 6 years having blood lead levels at and above 4.5 mcg/dL in 2012, and in which at least 500 children were tested. Other stipulations are included below the table.
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ The second tab of the second attachment indicates which ZIP codes were omitted from the top 200 ZIP codes because less than 500 children under the age of 6 years were tested. (This second tab distinguishes those ZIP codes from ones omitted on the first tab because they were not among those with high numbers of children with increased blood lead levels.)

We have not done a formal analysis on these ZIP codes. However, when we have looked at information available on the web on the ZIP codes for the 9.5 mcg/dL list, many of the communities (but not all) tended to be those with older housing and lower median income when compared to ZIP codes without children with EBLs.

Also of interest may be the analysis that we did for the area around the former Exide battery plant. It looks at census tract level data and percent of blood lead levels at and above 4.5 mcg/dL. It looks at distance from the former Exide plant and other factors such as the age of housing:

<http://www.dtsc.ca.gov/HazardousWaste/Projects/upload/An-Analysis-of-Children-s-Blood-Lead-Levels-in-the-Area-Around-the-Exide-Site.pdf>

I hope this information is helpful.

Have a nice weekend,

Will

William C. Hale, R.E.H.S., Chief

Environmental Program Manager I

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From: Kain, Nancy (AKA Oien) [<mailto:KAIN.Nancy@epa.gov>]

Sent: Wednesday, November 16, 2016 10:20 AM

To: Hale, William (CDPH-DEODC-CLPPB)

Subject: California's Highest EBLI Cities

Hi, Will. I asked you this question a couple years ago, but I would like your estimate of where in CA are found the most EBLIs in children and whether there is a correlation between EBLIs and EJ areas. Thanks!